|  | Index of Claims |          |                   |              |          |          |             |          |          |                     |                             |           |          | Application No.   |                     |          |              |              |              |           |         |          |       |            | Applicant(s)    |          |          |           |          |                 |         |          |
|--|-----------------|----------|-------------------|--------------|----------|----------|-------------|----------|----------|---------------------|-----------------------------|-----------|----------|-------------------|---------------------|----------|--------------|--------------|--------------|-----------|---------|----------|-------|------------|-----------------|----------|----------|-----------|----------|-----------------|---------|----------|
|  |                 |          |                   |              |          |          |             |          |          |                     |                             |           |          | 10/753,131        |                     |          |              |              |              |           |         |          |       |            | GALAI ET AL.    |          |          |           |          |                 |         |          |
|  |                 |          |                   |              |          |          |             |          |          |                     |                             |           |          | Examiner          |                     |          |              |              |              |           |         |          |       | Art Unit   |                 |          |          |           |          |                 |         |          |
|  |                 |          |                   |              |          |          |             |          |          |                     |                             |           |          | Lalita M Hamilton |                     |          |              |              |              |           |         |          |       |            | 0.4             |          |          |           |          |                 |         |          |
|  |                 |          |                   |              |          |          |             |          |          |                     |                             |           |          |                   |                     | La       | ıııta        |              | /I           | iam       | IIITO   | n        |       |            |                 | 36       | <u> </u> |           |          |                 | 1       |          |
|  |                 |          | _                 | Γ-           |          | _        |             | 1        |          |                     |                             | TL        |          |                   |                     |          | $\neg$       | Г            | Т            |           |         |          |       | )          |                 |          |          |           |          | $\neg$          |         |          |
|  |                 |          | √                 | R            | Rejected |          |             |          |          | -                   | (Through numer<br>Cancelled |           |          |                   | era                 | ai)      |              |              | N            | Non-Elect |         |          | ted   | A          | Appeal          |          |          |           |          |                 |         |          |
|  |                 |          | -                 | ┝            |          |          |             | ł        |          | ⊣                   |                             | Caricened |          |                   |                     |          | $\dashv$     | F            |              |           |         |          |       | H          | <del> </del>    |          |          |           |          |                 |         |          |
|  |                 |          | =                 | <b>A</b>     | llo      | we       | ed          |          |          | ÷                   |                             | R         | estric   | ted               | 1                   |          |              |              | 1            | Inte      | erfe    | eren     | ıce   |            | 0               | (        | Obj      | ect       | ed       |                 |         |          |
|  |                 |          | L.                | <u> </u>     |          |          |             | J        | ļ        | Щ                   |                             |           |          |                   |                     |          |              | L            |              |           |         |          |       | l          | Ш               |          |          |           |          |                 |         |          |
|  | Claim           |          |                   |              |          | 1        | Date        | <u>е</u> |          |                     | ٦                           | С         | Claim    |                   |                     | Da       |              | ate          |              |           |         | Cla      | aim   | П          | Date            |          |          |           | 7        |                 |         |          |
|  |                 | ā        | 19                | Ī            |          |          |             |          |          |                     | 7                           |           | a        |                   |                     |          |              |              | T            |           | Π       | 1        |       | a          |                 | Т        |          |           |          |                 | Т       | 7        |
|  | Final           | Original | 12                |              |          |          |             |          |          |                     |                             | Finat     | Original |                   |                     |          |              |              |              |           |         |          | Final | Original   |                 |          |          |           |          |                 |         |          |
|  | <u>.</u>        | ŏ        | ۳٥                |              | 1        |          |             |          |          |                     | ł                           | ۱۳        | Ŏ        |                   |                     |          |              |              | ١            |           |         |          | u.    | ō          |                 |          |          |           |          |                 |         |          |
|  |                 | 1        | 7                 |              |          |          |             |          |          |                     |                             |           | 51       |                   | $\Box$              |          |              |              | I            |           |         | ]        |       | 101        |                 |          |          | 上         |          |                 |         | ]        |
|  |                 | 2        | #                 | L            | ₽        | ╀-       | -           | _        | H        | $\vdash \vdash$     | 4                           | -         | 52<br>53 | $\dashv$          | 4                   | _        | 4            | +            | 4            | +         | ┼-      | 4        |       | 102        | $\vdash$        | -        | +        | ╄         | _        | $\sqcup$        | -       | 4        |
|  |                 | 4        | ╫                 | ┝            | ╁        | ╁        | ╁           | H        | $\vdash$ | $\vdash$            | ┥                           |           | 54       | $\dashv$          | $\dashv$            | +        | +            | +            | +            | +-        | +       | 1        |       | 103<br>104 | H               | ┿        | +        | ╁         | $\vdash$ | -               | ╁       | 4        |
|  |                 | 5        |                   |              |          |          |             |          |          |                     | J                           |           | 55       |                   | ╛                   |          |              | 1            |              |           | 上       | ]        |       | 105        | $\Box$          |          |          |           |          |                 |         | j        |
|  |                 | 6        | ╙                 | _            | <u> </u> |          |             | L        |          | Ш                   | 4                           |           | 56       | $\dashv$          | 4                   | _        |              | 4            | 4            | 4.        | 1       | ]        |       | 106        |                 | $\perp$  | $\bot$   | _         |          | Щ               | $\bot$  | ]        |
|  |                 | 8        | ╫╌                | $\vdash$     | ╁        | ╁        | ╁           | $\vdash$ | $\vdash$ | ╁                   | -                           | -         | 57<br>58 | $\dashv$          | ┥                   | $\dashv$ | +            | ┿            | $\dashv$     | ╁         | ╁       |          |       | 107<br>108 | $\vdash$        | +        | +        | ╁—        |          | $\vdash$        | +       | $\dashv$ |
|  |                 | 9        |                   | $\vdash$     |          |          |             |          |          |                     | ď                           |           | 59       |                   |                     |          | $\top$       | $\dagger$    | $\top$       | $\top$    | T       |          |       | 109        | Н               | $\top$   | 1        | 1         |          |                 | 1       | 1        |
|  |                 | 10       |                   | L            |          |          | $\sqsubset$ |          |          |                     | ]                           |           | 60       |                   | $\Box$              | _        | $\perp$      | $\perp$      | $\downarrow$ | $\perp$   | $\perp$ | ]        |       | 110        | Ц               | $\perp$  | $\perp$  | L         |          | П               | $\perp$ | ]        |
|  |                 | 11<br>12 | ₩                 | <del> </del> | -        | ╁        | ⊢           | $\vdash$ | $\vdash$ | $\vdash$            | 4                           | <u> </u>  | 61<br>62 | $\vdash$          | $\dashv$            | $\dashv$ | +            | +            | $\dashv$     | +         | ╁       |          |       | 111<br>112 | H               | +        | +        | ╁         | -        | $\dashv$        | +       | 4        |
|  |                 | 13       | $\dagger \dagger$ |              | H        |          | $\vdash$    |          | Н        |                     | $\exists$                   | -         | 63       | $\vdash$          | 7                   | ┪        | 十            | $\dagger$    | 十            | +         | 1       | 1        |       | 113        | $\vdash$        | $\dashv$ | +        | ╁         | ╁        | $\dashv$        | +       | †        |
|  |                 | 14       |                   |              |          |          |             |          |          |                     |                             |           | 64       |                   |                     | $\Box$   | 1            | $\perp$      | $\Box$       |           |         | ]        |       | 114        | П               | $\perp$  | $\perp$  | 匚         |          |                 |         | ]        |
|  |                 | 15<br>16 | ╬                 | ┝            | -        | -        | $\vdash$    | _        | $\vdash$ | $\vdash$            |                             | $\vdash$  | 65<br>66 | $\vdash$          | -                   | 4        | +            | +            | +            | +         | +       | 1 3      |       | 115<br>116 |                 | +        | +        | -         | L        | 井               |         | 4        |
|  | <del> </del>    | 17       | ╫╴                | ┢            | -        | $\vdash$ | $\vdash$    |          | Н        | $\vdash$            | - 3                         |           | 67       |                   | $\dashv$            | ┪        | +            | +            | $^{+}$       | +         | +       | -        |       | 117        | $\vdash \vdash$ | ╫        | +        | +         | -        | $\vdash$        | +       | -        |
|  |                 | 18       |                   |              |          |          |             |          |          |                     |                             |           | 68       |                   |                     |          |              | 1            | $\perp$      |           |         |          |       | 118        |                 |          |          |           |          |                 |         | ]        |
|  |                 | 19<br>20 | #                 | L            | ┞        | <u> </u> | ┞           | _        | Н        | $\vdash$            | $\dashv$                    |           | 69<br>70 | $\vdash$          | -                   | $\dashv$ |              | 4            | +            | +         | ╁       |          |       | 119<br>120 | $\vdash$        | +        | +        | ╀         | -        | -               |         | 4        |
|  |                 | 21       | #                 | H            | ┢        | ╁        | -           |          | Н        | H                   | 1                           | .         | 71       |                   | +                   | +        | +            | ╅            | +            | +         | +       | 1 .      |       | 121        | $\vdash$        | +        | +        | +         | H        | $\vdash$        | +-      | 1        |
|  |                 | 22       |                   |              |          |          |             |          |          |                     | ]                           |           | 72       |                   |                     | $\Box$   |              | 丁            | 1            |           |         |          |       | 122        |                 |          |          |           |          |                 |         | _        |
|  |                 | 23<br>24 | 1                 | -            | ļ        | -        | _           | _        | $\vdash$ | -                   | 4                           |           | 73<br>74 | -                 | 4                   | 4        |              | 4            | 4            | - -       | +       | -        |       | 123<br>124 | $\vdash$        | -        | -        | ┼         | L        | -               |         | -        |
|  |                 | 25       | ۲                 | $\vdash$     | 一        | $\vdash$ | ┢╌          | ┝        | $\vdash$ | $\vdash$            | $\dashv$                    | $\vdash$  | 75       | $\vdash$          | $\dashv$            | $\dashv$ | $\dashv$     | ╁            | ╁            | -         | ╁╴      | 1        |       | 125        | ╁─╁             | -        | _        | +         | $\vdash$ | +               | +-      | -        |
|  |                 | 26       |                   |              |          |          |             |          |          |                     |                             |           | 76       |                   |                     |          | 土            |              | İ            |           | T       |          |       | 126        |                 |          | T        |           |          |                 |         | j        |
|  |                 | 27<br>28 | _                 | ┡            | L        | <u> </u> | <u> </u>    | _        | Ш        | -                   | 4.                          |           | 77       | $\vdash$          | 4                   | -        | - -          | 4            | 4            | _         | $\bot$  |          |       | 127        | Ш               | _        |          | _         | _        | _               | 4       | 1        |
|  |                 | 29       | ┝                 | -            | ┢        | -        | ╁╾          | -        | $\vdash$ | H                   | ١.                          | ╟         | 78<br>79 | $\vdash$          | $\dashv$            | $\dashv$ |              | +            | +            | +         | ╁       | 1.1      |       | 128<br>129 | $\vdash$        | $\dashv$ | +        | +         | -        |                 | +-      | 4        |
|  |                 | 30       |                   |              |          |          |             |          |          |                     | <u></u>                     |           | 80       |                   | 丁                   |          | $\perp$      | 士            | 士            |           | L       | 1        |       | 130        |                 | 士        | 上        |           |          |                 | 上       | j        |
|  |                 | 31<br>32 | L                 | <u> </u>     | H        | _        | $\vdash$    | L        | Н        | $\vdash \downarrow$ | 4                           | -         | 81       |                   | 4                   | $\perp$  | $\perp$      | $\perp$      | $\perp$      | $\perp$   | 4       | 4        |       | 131        | $\coprod$       | $\perp$  | +        |           |          | H               | $\perp$ | 4        |
|  | <u> </u>        | 33       | $\vdash$          | -            | $\vdash$ | $\vdash$ | ╁           | -        | $\vdash$ | +                   | -∤∙                         | $\vdash$  | 82<br>83 | $\vdash$          | $\dashv$            | +        | +            | +            | +            | +         | +       | ┨.       |       | 132<br>133 | $\vdash \vdash$ | +        | +        | ╁         | $\vdash$ | +               | +       | 4        |
|  |                 | 34       |                   |              |          |          |             |          |          |                     |                             |           | 84       |                   | $\Box$              |          | $\perp$      | 士            | $\perp$      | 士         |         | ]        |       | 134        | 口               | 止        | 士        | İ         |          | $\Box$          |         | j        |
|  |                 | 35       | Ĺ                 |              |          |          | F           |          |          | $\Box$              | _                           |           | 85       | $\Box$            | 4                   | $\dashv$ | $\downarrow$ | $\bot$       | $\bot$       | $\perp$   | L       |          |       | 135        | П               | $\perp$  | $\bot$   |           |          | $\Box$          | $\bot$  | 4        |
|  |                 | 36<br>37 | $\vdash$          | ┝            | ┝        | ⊢        | ⊢           | -        | Н        | $\dashv$            | $\dashv$                    | -         | 86<br>87 |                   | $\dashv$            | +        | +            | +            | +            | +         | ┿       | -        | -     | 136<br>137 | $\vdash$        |          | ┿        | ╁         |          | $\vdash$        | +-      | -        |
|  |                 | 38       |                   |              |          | <u> </u> |             |          | Н        | $\Box$              | 7                           |           | 88       | $\top$            | 7                   | $\dashv$ | 十            | $\dagger$    | $\dagger$    | $\top$    | +       |          |       | 138        | T               | $\dashv$ | ╅        | $\dagger$ | $\vdash$ | $\forall$       | +       | 1        |
|  |                 | 39       |                   |              | L        |          | L           |          |          |                     | ]                           |           | 89       |                   | $\Box$              | $\Box$   |              | $\Box$       | $\Box$       | $\perp$   |         | -        |       | 139        | П               |          |          |           |          | $\Box$          | $\perp$ | ]        |
|  |                 | 40<br>41 | -                 | -            | ⊢        | ╁        | ├           | _        | Н        |                     | $\dashv$                    | $\vdash$  | 90       | $\dashv$          | $\dashv$            | +        | +            | +            | +            | +         | ╁       |          |       | 140<br>141 | $\vdash$        | +        | +        | ╀╌        | $\vdash$ | +               | +       | 4        |
|  |                 | 42       | $\vdash$          | $\vdash$     | -        |          |             |          | Н        | $\vdash$            | $\dashv$                    | $\vdash$  | 92       | $\dashv$          | $\dashv$            | +        | +            | +            | $\dagger$    | +         | +       |          |       | 142        | H               | +        | +        | +         | $\vdash$ | $\vdash \vdash$ | +       | †        |
|  |                 | 43       | L                 |              |          |          |             |          |          |                     | $\Box$                      |           | 93       |                   | $\rightrightarrows$ | $\Box$   | $\downarrow$ | $\downarrow$ | 1            |           |         | ]        |       | 143        | П               | 工        | 工        | L         |          |                 |         | ]        |
|  |                 | 44<br>45 | -                 | $\vdash$     | $\vdash$ | $\vdash$ | -           | -        | Н        | $\vdash$            | $\dashv$                    | <u> </u>  | 94<br>95 | $\dashv$          | $\dashv$            | +        | +            | +            | +            | +         | +       | <b>∤</b> |       | 144<br>145 |                 | +        | +        | $\vdash$  | $\vdash$ | $\vdash \vdash$ | +       | 4        |
|  |                 | 46       | -                 | +            | $\vdash$ | †        | $\vdash$    | -        | H        | $\vdash$            | $\dashv$                    |           | 96       | +                 | $\dashv$            | +        | +            | +            | +            | +         | +       | 1        |       | 146        | Н               | +        | +        | $\vdash$  |          | $\dashv$        | +       | †        |
|  |                 | 47       |                   |              |          |          |             |          | 口        |                     | $\exists$                   |           | 97       | $\Box$            | コ                   | $\Box$   | #            | 1            | $\Box$       | 工         | L       | 1        |       | 147        |                 | #        | $\perp$  |           |          |                 | $\perp$ | 1        |
|  |                 | 48<br>49 | $\vdash$          | -            | -        | -        | -           | H        | H        | -                   | $\dashv$                    | <u> </u>  | 98<br>99 |                   | 4                   | +        | +            | +            | +            | - -       | +       | <b>∤</b> |       | 148<br>149 | $\sqcup$        |          | +        | +         | _        | $\dashv$        | - -     | 4        |
|  |                 | 50       | $\vdash$          | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$    | -        | H        | $\vdash +$          | $\dashv$                    |           | 100      | $\dashv$          | $\dashv$            | +        | +            | +            | +            | +         | +       | 1        |       | 150        | -               | +        | ╁        | +         | $\vdash$ | +               | +       | 1        |
|  |                 |          |                   |              | -        |          | 4           |          | I        |                     | _                           |           |          |                   |                     |          |              |              |              |           |         |          |       |            |                 |          |          |           |          |                 |         |          |

Application No.

Applicant(s)